PALM INTRANET

Day : Friday
Date: 11/2/2007

Time: 10:03:34

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Naimark	Wendy	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

PALM INTRANET

Day : Friday
Date: 11/2/2007

Time: 10:03:34

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Freyman	Toby	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

PALM INTRANET

Day : Friday
Date: 11/2/2007

Time: 10:03:34

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Palasis	Maria	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

Refine Search

Search Results -

Term	Documents
BONE	241270
BONES	51964
MARROW	58302
MARROWS	760
EXTRACELLULAR	90213
EXTRACELLULARS	1
MATRIX	842998
MATRICES	115639
MATRIXES	13214
((BONE ADJ MARROW) ADJ (EXTRACELLULAR ADJ MATRIX)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	27
(((BONE ADJ MARROW) ADJ (EXTRACELLULAR ADJ MATRIX))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	27

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L18

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Friday, November 02, 2007 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;

OP=AND

L18	((bone adj marrow) adj (extracellular adj matrix))	27	L18
L17	L16 and (tissue adj (repair or engineering))	82	L17
L16	L3 and (transgenic)	180	L16
L15	(stimulus) same ((in adj vivo) and matrix)	10	L15
L14	L13 not L5	0	L14
L13	L12 and L3	29	L13
L12	L4 same (donor)	1321	L12
L11	L5 not L6	105	L11
L10	L6 not L7	76	L10
L9	L7 not L8	56	L9
L8	L7 and (VEGF)	51	L8
L7	L6 and (bone adj marrow)	107	L7
L6	L5 and (vector or transfected)	183	L6
L5	L4 and L3	288	L5
L4	(Preconditioning or conditioning or preconditioned or conditioned or stimulus) same ((in adj vivo) or tissue or organ or cell)	54696	L4
L3	(Decellularized or acellular or decellularisation or decellularization) same (tissue or matrix or matrices)	1405	L3
L2	L1 and ((decellularized adj extracellular) adj matrix)	3	L2
L1	Freyman-Toby.in.	51	L1

END OF SEARCH HISTORY

Welcome to DialogClassic Web(tm)

```
 Dialog level 05.20.01D
Last logoff:  26oct07 11:56:11
Logon file1 02nov07 14:52:59
          *** ANNOUNCEMENTS ***
                    ***
NEW FILES RELEASED
***BIOSIS Previews Archive (File 552)
***BIOSIS Previews 1969-2007 (File 525)
***Trademarkscan - South Korea (File 655)

RESUMED UPDATING
***File 141, Reader's Guide Abstracts
                    ***
RELOADS COMPLETED
***File 5, BIOSIS Previews - archival data added
***Files 340, 341 & 942, CLAIMS/U.S. Patents - 2006 reload now online
                              ***
NEWS
Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus
(File 302).
                    ***
 >>>For the latest news about Dialog products, services, content<<<  >>>and events,
 >>>http://www.dialog.com/whatsnew/.  You can find news about<<<
 >>>a specific database by entering HELP NEWS <file number>.<<<
>>>PROFILE is in a suspended state.
>>>Contact Dialog Customer Services to re-activate it.
 * * *

File   1:ERIC 1965-2007/Sep
       (c) format only 2007 Dialog

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?

B 155, 5, 73
       02nov07 14:53:10 User259876 Session D1048.1
            $0.98    0.279 DialUnits File1
     $0.98  Estimated cost File1
     $0.05  INTERNET
     $1.03  Estimated cost this search
     $1.03  Estimated total session cost   0.279 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R) 1950-2007/Oct 31
         (c) format only 2007 Dialog
  File   5:Biosis Previews(R) 1926-2007/Oct W4
         (c) 2007 The Thomson Corporation
  File  73:EMBASE 1974-2007/Nov 01
         (c) 2007 Elsevier B.V.
 *File  73: Embase will be reloaded soon. Accession numbers
will change.

      Set  Items  Description
      ---  -----  -----------
```

```
?

S (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECELLULARIZATION) (S) (TISSU
            510  DECELLULARIZED
          11974  ACELLULAR
              6  DECELLULARISATION
            207  DECELLULARIZATION
        3264403  TISSUE
         481080  MATRIX
          51368  MATRICES
      S1    3991  (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR
                  DECELLULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
?

S (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR CONDITIONED OR STIMULUS) (S)
ONOR)
Processing
Processing
Processing
Processing
Processing
Processing
Processing
Processing
           20894  PRECONDITIONING
          155828  CONDITIONING
            5307  PRECONDITIONED
          133711  CONDITIONED
          300551  STIMULUS
        34934407  IN
         1339881  VIVO
         1294235  IN(W)VIVO
         3264403  TISSUE
          545161  ORGAN
         5781231  CELLS
          313594  DONOR
      S2  137086  (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR
                  CONDITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR
                  ORGAN OR CELLS OR DONOR)
?

S S1 AND S2
            3991  S1
          137086  S2
      S3      76  S1 AND S2
?

S S3 AND (VECTOR OR TRANSFECTED)
              76  S3
          347610  VECTOR
          170190  TRANSFECTED
      S4       0  S3 AND (VECTOR OR TRANSFECTED)
?

RD S3
      S5      39  RD S3  (unique items)
?

S S5 NOT PY>2003
              39  S5
```

```
        6743292  PY>2003
      S6      19  S5 NOT PY>2003
?

S S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
             19  S6
        3264403  TISSUE
         359561  REPAIR
         325834  ENGINEERING
          37197  TISSUE(W)(REPAIR OR ENGINEERING)
      S7      1  S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?

T S7/3,K/ALL

  7/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

14003792   PMID: 12415348
 Experimental abdominal wall defect repaired with acellular matrix.
  Gamba P G; Conconi M T; Lo Piccolo R; Zara G; Spinazzi R; Parnigotto P P
  Department of Pediatric Surgery, University of Padua, Italy. g
piergiorgio@hotmail.com
  Pediatric surgery international (Germany)  Sep 2002,  18 (5-6) p327-31
,  ISSN 0179-0358--Print  Journal Code: 8609169
  Publishing Model Print-Electronic
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: MEDLINE; Completed

 Experimental abdominal wall defect repaired with acellular matrix .
  ... of a non-immunogenic and non-prosthetic biomaterial that could guide
the regeneration of normal tissue is a fascinating possibility.
Biomaterials are already in use, but in our experience, an acellular
 matrix (ACM) can stimulate exact regeneration of the absent tissue . We
explored the possibility of using an ACM to repair a muscular AWD in an...

... oblique muscle was resected (3 x 3 cm). The animals underwent
reconstruction with homologous diaphragm acellular matrix (HDAM) grafts
that were previously prepared using a detergent enzymatic method. The
patches were evaluated...

... each group; moreover, 90 days post-surgery an electromyogram (EMG) (n =
6) of the implanted matrix was recorded. Histologic analysis demonstrated
that the HDAM supported fibroblast migration, deposition of newly-formed...

... not able to produce reconstruction of the skeletal muscle, and was
progressively remodeled into fibrous tissue . Since the ultimate reason
for failure of muscle regeneration is a lack of myogenesis, future studies
will use ACMs preconditioned by various regulators of myoblast
proliferation and differentiation.
  Descriptors:  *Abdominal Wall--abnormalities--AB;  *Abdominal Wall
--surgery--SU; *Biocompatible Materials; * Tissue Engineering
?


Set     Items   Description
S1       3991   (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECEL-
```

```
            LULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2     137086   (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR COND-
            ITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR
            CELLS OR DONOR)
S3          76   S1 AND S2
S4           0   S3 AND (VECTOR OR TRANSFECTED)
S5          39   RD S3  (unique items)
S6          19   S5 NOT PY>2003
S7           1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?

T S6/3,K/ALL

  6/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

24212957   PMID: 17177738
 Development of a multilayered in vitro model for studying events
 associated with wound healing.
  Stephens P; Wood E J; Raxworthy M J
  Department of Oral Surgery, Medicine and Pathology, Dental School,
University of Wales College of Medicine, Cardiff, Wales, UK.
  Wound repair and regeneration - official publication of the Wound Healing
Society and the European Tissue Repair Society (United States)  Jul-Sep
1996, 4 (3) p393-401, ISSN 1067-1927--Print  Journal Code: 9310939
  Publishing Model Print
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: PubMed not MEDLINE

  ...the study of cutaneous wound repair processes. This has stimulated the
investigation of three-dimensional tissue equivalent systems such as the
dermal and skin equivalent models. With the use of a...

... wounded dermal equivalent (bilayered model) or skin equivalent
(tri-layered model) was placed onto an acellular collagen lattice and
fixed in place with polymerizing collagen. This model permitted observation
of the...

...number of fibroblasts in this space increased dramatically over a period
of 9 days, the cells appearing to migrate both over and through the
 acellular lower collagen layer. Keratinocyte reepithelialization of the
"wound space" was completed after 5 days. With...

... model described here should facilitate the study of fibroblast and
keratinocyte responses to a wound stimulus in vitro and be a plausible in
vitro system for evaluating agents which may have...


  6/3,K/2     (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

14109190   PMID: 12641817
 An in vitro examination of an extracellular matrix scaffold for use in
 wound healing.
  Solomon Denis E
  Clinical Research Division, Department of Surgery, University of Miami,
```

School of Medicine, Miami, Florida 33101, USA. denissolomon@yahoo.com
International journal of experimental pathology (England) Oct 2002, 83 (5) p209-16, ISSN 0959-9673--Print Journal Code: 9014042
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

This paper describes evidence that an extracellular matrix (ECM) secreted by human umbilical vein endothelial cells (HUVECs) assembled on gelatin coated plates overlaid by a mixed matrix secreted by human dermal microvascular endothelial cells (HDMECs) and human dermal fibroblasts provides a viable acellular scaffold for use in wound healing. Trypsinized epidermal keratinocytes or colonies from Dispase-digested fresh and cadaver skin tissue adhered and proliferated on either HUVECs ECM/gelatin or mixed matrix overlaid on HUVECs ECM/gelatin. An epithelial-mesenchymal interaction, previously thought to be tissue -specific, was exposed as well as concomitant integrin versatility. Furthermore, heterologous HDMECs and dermal fibroblasts attached and proliferated on the mixed matrix as well as HUVECs ECM. The conditioned medium from HUVECs (HUVECs CM) was found to neutralize the lingering after effects of Dispase, and could be used for the tissue culture of epidermal keratinocytes, HDMECs and dermal fibroblasts, which share related extracellular secretions. Taken together...

... epithelial autografts can be redesigned to include both epithelial and dermal elements, and advances the acellular 'sandwich' ECM scaffold as a possible structural replacement for the lamina densa and lamina lucida...

6/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

14003792 PMID: 12415348
Experimental abdominal wall defect repaired with acellular matrix.
Gamba P G; Conconi M T; Lo Piccolo R; Zara G; Spinazzi R; Parnigotto P P
Department of Pediatric Surgery, University of Padua, Italy. gpiergiorgio@hotmail.com
Pediatric surgery international (Germany) Sep 2002, 18 (5-6) p327-31, ISSN 0179-0358--Print Journal Code: 8609169
Publishing Model Print-Electronic
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Experimental abdominal wall defect repaired with acellular matrix .
... of a non-immunogenic and non-prosthetic biomaterial that could guide the regeneration of normal tissue is a fascinating possibility. Biomaterials are already in use, but in our experience, an acellular matrix (ACM) can stimulate exact regeneration of the absent tissue . We explored the possibility of using an ACM to repair a muscular AWD in an...

... oblique muscle was resected (3 x 3 cm). The animals underwent reconstruction with homologous diaphragm acellular matrix (HDAM) grafts that were previously prepared using a detergent enzymatic method. The patches were evaluated...

... each group; moreover, 90 days post-surgery an electromyogram (EMG) (n = 6) of the implanted matrix was recorded. Histologic analysis demonstrated that the HDAM supported fibroblast migration, deposition of newly-formed...

... not able to produce reconstruction of the skeletal muscle, and was progressively remodeled into fibrous tissue . Since the ultimate reason for failure of muscle regeneration is a lack of myogenesis, future studies will use ACMs preconditioned by various regulators of myoblast proliferation and differentiation.

6/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13943414 PMID: 12296587
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration.
Selvig Knut A; Sorensen Rachel G; Wozney John M; Wikesjo Ulf M E
Department of Dental Research, University of Bergen, Faculty of Dentistry, Norway. knut.selvig@odont.uib.no
Journal of periodontology (United States) Sep 2002, 73 (9) p1020-9, ISSN 0022-3492--Print Journal Code: 8000345
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... therapy for periodontal regeneration. The objective of this study was to characterize, in some detail, tissue reactions following surgical implantation of rhBMP-2/ACS into periodontal defects. METHODS: Four young adult...

... implantation of rhBMP-2/ACS into large supra-alveolar periodontal defects resulted in a variable tissue response without marked difference between 4- and 8-week observations. New bone, exceeding the volume of the normal alveolar process, had formed within 4 weeks. The regenerated bone tissue consisted of finely trabeculated woven bone. Marrow spaces exhibited a continuous lining of osteoblasts, osteoclasts, and resting cells . The marrow spaces contained numerous large, thin-walled vessels but were almost devoid of collagen...

... were free of structured elements except for occasional aggregates of effete erythrocytes. A variety of tissue reactions were observed along the root surface including areas of resorption, areas of hard tissue deposition, and areas without resorptive or appositional activity. Ankylosis was a frequent observation, although areas showing characteristics of a periodontal ligament with a fine layer of acellular fiber cementum and occasional inserting Sharpey's fibers were also observed. Osteoblasts facing the root...

... along and onto the instrumented adjacent root surface. Lamellated trabecular bone was the predominant regenerated tissue . A typical cementum-periodontal ligament-alveolar bone relationship was a rare observation. The great variability in histological tissue response along the instrumented root surface indicates that the stimulus to hard tissue formation resided primarily in the rhBMP-2/ACS implant rather than in the root surface.

6/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13220634 PMID: 11350647
Keratinocyte-driven contraction of reconstructed human skin.
Chakrabarty K H; Heaton M; Dalley A J; Dawson R A; Freedlander E; Khaw P T; Mac Neil S
Section of Medicine, Division of Clinical Sciences and Plastics, Burns and Reconstructive Surgery, Northern General Hospital NHS Trust, Sheffield and Institute of Ophthalmology and Moorfields Eye Hospital, London, United Kingdom.
Wound repair and regeneration - official publication of the Wound Healing Society and the European Tissue Repair Society (United States) Mar-Apr 2001, 9 (2) p95-106, ISSN 1067-1927--Print Journal Code: 9310939
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

We have previously reported that reconstructed human skin, using deepidermized acellular sterilized dermis and allogeneic keratinocytes and fibroblasts, significantly contracts in vitro. Contracture of split skin...
... several approaches to prevent or reduce contraction. Three different methodologies for sterilization of the dermal matrix were examined: glycerol, ethylene oxide and a combination of glycerol and ethylene oxide. While the nature of the sterilization technique influenced the extent of contraction and thinner dermal matrices contracted proportionately more than thicker matrices , in all cases contraction was driven by the keratinocytes with relatively little influence from the fibroblasts. The contraction of the underlying dermis did not represent any change in tissue mass but rather a reorganization of the dermis which was rapidly reversed (within minutes) when...

... phosphate to be ineffective and ascorbic acid-2-phosphate to exacerbate contraction. However, Galardin, a matrix metalloproteinase inhibitor and keratinocyte conditioned media, both inhibited contraction.

6/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12850538 PMID: 10972644
Porcine fetal enamel matrix derivative stimulates proliferation but not differentiation of pre-osteoblastic 2T9 cells, inhibits proliferation and stimulates differentiation of osteoblast-like MG63 cells, and increases proliferation and differentiation of normal human osteoblast NHOst cells.
Schwartz Z; Carnes D L; Pulliam R; Lohmann C H; Sylvia V L; Liu Y; Dean D D; Cochran D L; Boyan B D
Department of Orthopaedics, University of Texas Health Science Center, San Antonio 78229-3900, USA.
Journal of periodontology (UNITED STATES) Aug 2000, 71 (8) p1287-96, ISSN 0022-3492--Print Journal Code: 8000345
Contract/Grant No.: DE-08603; DE; NIDCR
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't;

Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

BACKGROUND: Embryonic enamel matrix proteins are hypothesized to be involved in the formation of acellular cementum during tooth development, suggesting that these proteins can be used to regenerate periodontal tissues. Enamel matrix protein derived from embryonic porcine tooth germs is used clinically, but the mechanisms by which...

... examined the response of osteoblasts at 3 stages of osteogenic maturation to porcine fetal enamel matrix derivative (EMD). Proliferation (cell number and [3H]-thymidine incorporation), differentiation (alkaline phosphatase and osteocalcin), matrix synthesis ([35S]-sulfate incorporation; percentage of collagen production), and local factor production (prostaglandin E2 [PGE2] and transforming growth factor-beta 1 [TGF-beta1]) were measured in cultures of 2T9 cells (pre-osteoblasts which exhibit osteogenesis in response to bone morphogenetic protein-2 [BMP-2]), MG63 human osteoblast-like osteosarcoma cells , and normal human osteoblasts (NHOst cells). RESULTS: EMD regulated osteoblast proliferation and differentiation, but the effects were cell-specific. In 2T9...

... proliferation but had no effect on alkaline phosphatase-specific activity. EMD decreased proliferation of MG63 cells and increased cellular alkaline phosphatase and osteocalcin production. There was no effect on collagen synthesis, proteoglycan sulfation, or PGE2 production; however, TGF-beta1 content of the conditioned media was increased. There was a 60-fold increase in cell number in third passage NHOst cells cultured for 35 days in the presence of EMD. EMD also caused a biphasic increase...

...day 14. CONCLUSIONS: EMD affects early states of osteoblastic maturation by stimulating proliferation, but as cells mature in the lineage, EMD enhances differentiation.

6/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12558276 PMID: 10505815
Subgingival acellular dermal matrix allograft for the treatment of gingival recession: a case report.
Tal H
Department of Periodontology, The Maurice and Gabriela Goldschleger School of Dental Medicine, Tel Aviv University, Israel.
Journal of periodontology (UNITED STATES) Sep 1999, 70 (9) p1118-24, ISSN 0022-3492--Print Journal Code: 8000345
Publishing Model Print
Document type: Case Reports; Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Subgingival acellular dermal matrix allograft for the treatment of gingival recession: a case report.
Root coverage procedures using subgingival soft tissue grafts or guided

tissue regeneration have attracted much interest within the past 2 decades. Recently, acellular dermal matrix allograft (ADMA) has been introduced as a substitute for palatal donor tissue in gingival augmentation procedures. This study was undertaken to examine the potential of ADMA to be used as a substitute for autogenous connective tissue graft material in a root coverage procedure in a case with moderate gingival recession combined with reduced keratinized attached gingiva. After thorough root planing and conditioning of the root surface with a saturated solution of tetracycline-HCl, a trapezoidal mucoperiosteal flap ...

... observations, it is suggested that ADMA may be a possible substitute to free autogenous connective tissue grafts and/or bioabsorbable barrier membranes. Further clinical and histological studies are necessary to understand...

6/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11492761 PMID: 9326143
Keratinocytes contract human dermal extracellular matrix and reduce soluble fibronectin production by fibroblasts in a skin composite model.
Ralston D R; Layton C; Dalley A J; Boyce S G; Freedlander E; MacNeil S
University Department of Medicine, Northern General Hospital, Sheffield, UK.
British journal of plastic surgery (ENGLAND) Sep 1997, 50 (6) p408-15, ISSN 0007-1226--Print Journal Code: 2984714R
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Composites of human de-epidermised acellular dermis and normal adult human keratinocytes and fibroblasts were examined for the ability of cells to contract these composites. Image analysis of the outline of the composites showed that, in...

... was no significant contraction of the dermis with fibroblasts alone or in the absence of cells . The presence or absence of basement membrane antigens did not influence the effect of keratinocytes on dermal contraction. Analysis of the conditioned media from these composites showed that the greatest fibronectin production was seen with fibroblasts alone...

... the presence and absence of the basement membrane, indicating that keratinocytes modify dermal fibroblast extracellular matrix production. This study shows that while keratinocytes and fibroblasts are clearly influencing each other's...

... is the keratinocyte and not the fibroblast which causes contraction of the human de-epidermised acellular dermis.

6/3,K/9 (Item 9 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11364892 PMID: 9183827
Silicone breast implants: pathology.
Raso D S; Greene W B
Department of Pathology, Medical University of South Carolina, Charleston, USA.
Ultrastructural pathology (UNITED STATES) May-Jun 1997, 21 (3) p263-71, ISSN 0191-3123--Print Journal Code: 8002867
Publishing Model Print
Document type: Journal Article; Review
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... legal system. Pathologists must be aware of the controversy and treat each SBI and associated tissue as a potential lawsuit. Grossly, silicone is a clear, viscous substance that may be observed...

... cases, a fibrous capsule surrounds the SBI, with the interface lining varying from a virtually acellular to a synovial-like lining composed of phagocytic and secretory cells . Silicone can often be identified within the fibrous capsule and also in distant tissues biopsied...
... without ultrastructural evidence of cytologic effects. This study has demonstrated that silicone accumulates at distant tissue sites due to preexisting inflammation acting as a stimulus . Thus, silicone is not a primary inducer of inflammatory disease processes. These findings are supported...

6/3,K/10 (Item 10 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10329146 PMID: 7890329
Blood monocytes and spleen macrophages differentiate into microglia-like cells on monolayers of astrocytes: morphology.
Sievers J; Parwaresch R; Wottge H U
Department of Anatomy, University of Kiel, FRG.
Glia (UNITED STATES) Dec 1994, 12 (4) p245-58, ISSN 0894-1491--Print Journal Code: 8806785
Publishing Model Print
Document type: Comparative Study; Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Several morphological and functional properties of microglial cells , the resident immunoeffector cells of the central nervous system (CNS), differ from those of monocytes/macrophages in other tissues...

... tested the hypothesis that some morphological and functional properties of microglia are induced in myelomonocytic cells by nervous tissue , specifically astrocytes. In the present in vitro studies we compared the differentiation of microglia, blood monocytes, and spleen macrophages on acellular substrates and on monolayers of astrocytes and fibroblasts. On acellular substrates, microglial cells at first acquire an ameboid morphology; later they show a few short, unbranched processes. On monolayers of pure astrocytes, microglial cells at first also differentiate into ameboid cells , but after 5 to 7 days they start to develop processes with large lamellopodial tips...

... territory around the small ellipsoid cell body. By contrast, on monolayers of fibroblasts the microglial cells develop an ameboid morphology, but do not grow the typical long branched processes of the ramified form. Blood monocytes and spleen macrophages behave indistinguishably from microglia both on acellular and cellular substrates, i.e., on astroglia they develop the ramified form, while on fibroblasts...

...of astrocytic monolayers, i.e., physically separated from the astroglia, but exposed to the medium conditioned by astrocytes, a significant proportion of them also develop the ramified shape. These findings indicate ...

... monocytes and macrophages, we take this to be further evidence for the proposition that microglial cells are derived from the myelomonocytic lineage, and, moreover, that properties of resident macrophages are largely determined by tissue components of their host organ .

6/3,K/11 (Item 11 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09073314 PMID: 1721917
Combined effects of extracellular matrix and growth factors on NBT-II rat bladder carcinoma cell dispersion.
Tucker G C; Boyer B; Valles A M; Thiery J P
Laboratoire de Physiopathologie du Developpement, CNRS URA 1337 Ecole Normale Superieure, Paris, France.
Journal of cell science (ENGLAND) Oct 1991, 100 (Pt 2) p371-80, ISSN 0021-9533--Print Journal Code: 0052457
Contract/Grant No.: 1RO1 CA 49417-01A2; CA; NCI
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... factor and transforming growth factor alpha also promoted NBT-II cell dispersion on glass or tissue culture plastic. We have now further analysed the scatter response to these two growth factors in the presence of extracellular matrix molecules. In the presence of growth factors, no peripheral single-cell dispersion occurred on fibronectin...
...motility inside the monolayer forming around NBT-II aggregates. Patterns of strings or files of cells protruding from the monolayer were often observed. The presence of a scattering activity in the complex acellular extracellular matrix deposited by NBT-II cells themselves strongly suggested that substratum conditioning was responsible for this effect. On the other hand, the two growth factors accelerated collagen...

... to-substratum contact. On laminin or fibronectin and in the presence of growth factors, peripheral cells inside the halo of NBT-II aggregates did not exhibit desmosome linkages. These observations suggest that scatter effects per se are dependent on the composition of the extracellular matrix . In particular, on a substratum nonpermissive for direct cell translocation, individual cell dispersion can be replaced by en bloc patterns of migration following substratum conditioning by the cells .

6/3,K/12 (Item 12 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08824109 PMID: 1849087
An improved noninfectious murine skin model of organized granulomatous inflammation.
Iida T; Nozaki Y; Fukuyama K; Epstein W L
Department of Dermatology, University of California San Francisco 94143-0536.
Experientia (SWITZERLAND) Mar 15 1991, 47 (3) p273-7, ISSN 0014-4754--Print Journal Code: 0376547
Contract/Grant No.: AR31853; AR; NIAMS
Publishing Model Print
Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... granulomas, originally elicited in naive mice by inoculations of lyophilized hepatic schistosome egg granulomas. The tissue reaction is caused by a single exposure to a noninfectious, acellular granulomagenic stimulus and occurs in healthy mice free of systemic disease. The model should prove useful for...
... analytical dissection of the initiation process. In this study we described the responses of host cells by autoradiography, and light and electron microscopy. The activity of angiotensin-converting enzyme and proline...

6/3,K/13 (Item 13 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06131504 PMID: 6190818
Capillary endothelial cell cultures: phenotypic modulation by matrix components.
Madri J A; Williams S K
Journal of cell biology (UNITED STATES) Jul 1983, 97 (1) p153-65, ISSN 0021-9525--Print Journal Code: 0375356
Contract/Grant No.: R01-HL-28373-02; HL; NHLBI
Publishing Model Print
Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Capillary endothelial cells of rat epididymal fat pad were isolated and cultured in media conditioned by bovine aortic endothelial cells and substrata consisting of interstitial or basement membrane collagens. When these cells were grown on interstitial collagens they underwent proliferation, formed a continuous cell layer and, if cultured for long periods of time, formed occasional tubelike structures. In contrast, when these cells were grown on basement membrane collagens, they did not proliferate but did aggregate and form tubelike structures at early culture times. In addition, cells grown on basement membrane substrata expressed more basement membrane constituents as compared with cells grown on interstitial matrices when assayed by immunoperoxidase methods and quantitated by enzyme-linked immunosorbent inhibition assays. Furthermore,

when cells were grown on either side of washed, acellular amnionic membranes their phenotypes were markedly different. On the basement membrane surface they adhered, spread...

... not migrate through the basement membrane. In contrast, when seeded on the stromal surface, these cells were observed to proliferate and migrate into the stromal aspect of the amnion and ultimately formed tubelike structures at high cell densities at longer culture periods (21 d). Thus, connective tissue components play important roles in regulating the phenotypic expression of capillary endothelial cells in vitro, and similar roles of the collagenous components of the extracellular matrix may exist in vivo following injury and during angiogenesis. Furthermore, the culture systems outlined here may be of use in the further study of differentiated, organized capillary endothelial cells in culture.

6/3,K/14 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

17380580 BIOSIS NO.: 200300337323
Annexin II Mediated Plasmin Generation Activates TGFbeta-3 during Epithelial-Mesenchymal Transformation in the Developing Chick Heart.
AUTHOR: Krishnan Suba (Reprint); Deora Arun K (Reprint); Hajjar Katherine A (Reprint)
AUTHOR ADDRESS: Cell and Developmental Biology, Weill Medical College of Cornell University, New York, NY, USA**USA
JOURNAL: Blood 100 (11): pAbstract No. 192 November 16, 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 44th Annual Meeting of the American Society of Hematology Philadelphia, PA, USA December 06-10, 2002; 20021206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: complexity of these events. Epithelial-mesenchymal transformation (EMT), the process by which subpopulations of endocardial cells of the atrioventricular (AV) region are converted into motile, invasive, mesenchymal cells , is critical to normal AV valve development. The transformed mesenchymal cells invade underlying cardiac jelly and form the fibrous regions of the AV valves of the...

...annexin family of calcium-dependent, peripheral membrane binding proteins, functions as a co-receptor for tissue plasminogen activator (tPA) and plasminogen, enhancing the efficiency of cell-surface generation of the fibrinolytic...

...hypothesize that annexin II, by stimulating localized plasmin generation on the surface of transforming endocardial cells , results in the regulated release of active TGFbeta-3 during AV canal EMT. Serial Northern...

...strong annexin II staining localized specifically to endocardium during AV canal EMT. Primary endocardial endothelial cells (EEC) isolated from embryonic stage 15-18 chick heart explants expressed annexin II protein by...

...an 8-fold increase in the rate of plasmin generation using chick EEC versus an acellular control. Plasmin generation was tPA-, plasminogen-, and cell-surface dependent, and was inhibited apprx90% by...
...of inhibition of transformation to the level of untreated heart explants. Western blot analysis of conditioned medium from heart explant cultures revealed absence of active TGFbeta-3 upon treatment with anti...

...alpha-2 antiplasmin. A TGFbeta bioassay showed a 50% decrease in TGFbeta specific activity in conditioned medium from heart explant cultures treated with anti-annexin II IgG as compared with untreated...

6/3,K/15 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

16667902 BIOSIS NO.: 200200261413
The fibrinolytic receptor, annexin II, mediates epithelial-mesenchymal transformation in the developing avian heart
AUTHOR: Krishnan Suba (Reprint); Deora Arun Kumar B (Reprint); Jacovina Andrew T (Reprint); Lev Emil (Reprint); Hajjar Katherine A (Reprint)
AUTHOR ADDRESS: Pediatrics, Weill Medical College of Cornell University, New York, NY, USA**USA
JOURNAL: Blood 98 (11 Part 1): p788a-789a November 16, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Epithelial-mesenchymal transformation (EMT), the process whereby endocardial cells of the atrioventricular (AV) region of the heart acquire a migratory mesenchymal phenotype, is a critical event in cardiac development. During EMT, endocardial cells remodel extracellular matrix (ECM), invade underlying cardiac jelly, and ultimately form the fibrous portion of the valves and...

...family of calcium-regulated, phospho-lipid binding proteins, that functions as a co-receptor for tissue plasminogen activator (tPA) and plasminogen, and enhances the efficiency of plasmin generation on cell surfaces...

...directly breakdown ECM proteins, or may initiate a proteolytic cascade resulting in activation of pro- matrix metalloproteinases (pro-MMPs). Serine proteases have also been implicated in the activation and liberation of...

...by stimulating localized generation of plasmin on the surface of transforming endocardial or migratory mesenchymal cells of the AV canal. Serial Northern and Western blot analyses of hearts isolated from Hamilton...

...annexin II staining specifically localized to endocardium during ongoing AV canal EMT. Primary endocardial endothelial cells isolated from embryonic stage 15-18 chick heart explants expressed annexin II protein by Western blot and indirect immunofluorescence. Embryonic quail cells

prepared in an analogous fashion were identified as endocardial by QH1 antibody staining. A spectrofluorometric...

...fold increase in the rate of plasmin generation on chick endocardial cell surfaces versus an acellular control. Plasmin generation was tPA-, plasminogen-, and cell surface-dependent, and was inhibited 90% by...

...heart explants with alpha-2 antiplasmin or anti-annexin II antibody blocked transformation of endocardial cells , as well as their invasion into the collagen matrix , by apprx90% compared to untreated control explants. Western blot analysis of serum-free conditioned medium from heart explant cultures treated with alpha-2 antiplasmin showed a 50% increase in latent TGF-beta3 complex compared with serum-free conditioned medium from untreated explants. This result suggests that inhibition of plasmin activity leads to a...

...of cardiac valves and septae. Annexin II mediated plasmin activity may promote transformation of endocardial cells by activation of latent TGF-beta3, matrix remodeling, and outward migration of the transformed endocardial cells during normal cardiac morphogenesis.

6/3,K/16 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0001679127 BIOSIS NO.: 19664700083229
A contribution to the study of antibody synthesis. Immunization and activation of spleen ribosomes [Engl. summ.]
ORIGINAL LANGUAGE TITLE: Contribution a l'etude de la biosynthese des anti-corps. Immunisation et activation des ribosomes de la rate [Engl. summ.]
AUTHOR: PAGOULATOS G N
AUTHOR ADDRESS: Lab Biol. Cellulaire, Fac. Sci., Paris, France
JOURNAL: ANN INST PASTEUR 110 ((4)): p497-519 1966 1966
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Unspecified

...ABSTRACT: microsomal proteins of immunized rabbit spleen, when these microsomes are incubated in presence of soluble acellular fractions of rabbit spleen, or in presence of the same fractions of rat liver. In...

...intense. Incorporation of labelled amino acids into "heavy ribosomes", of a given weight of spleen tissue , incubated in a mixed system with soluble fractions of rat liver, is more intense when...
...One comes therefore to the conclusion that, in immunized animals, a given weight of spleen tissue contains a greater number of active ribosomes than in non-immunized animals. If immunized rabbits...

...between ribosomes activation and antibody synthesis, as well as their common dependance upon the antigenic stimulus , suggest that a synthesized messenger RNA activates the ribosomes and might be related with the...

6/3,K/17 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0000599166 BIOSIS NO.: 19492300000980
Two unusual sclero-corneal neoplasms
AUTHOR: LOEWENSTEIN A; FOSTER J
JOURNAL: BRIT JOUR OPHTHALMOL 32 ((1)): p1-12 1948 1948
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Unspecified

...ABSTRACT: element which could not be sharply defined from the tumor. There were polymorphs, lymphocytes, plasma cells , mast cells and a few giant cells in the periphery of the tumor and in associated tissues. This distinctive picture suggests a tissue reaction to an agent which produces cellular division, and a virus etiology, on the lines...

...of the right cornea in a female of 65 yrs. The tumor was a relatively acellular fibroma with area of calcareous and myxomatous degeneration. The portion of cornea free from tumor was covered by a vascular degenerative pannus. Numerous mast cells were present in the tumor and in the pannus. This suggests an initial chronic inflammation...
...the growth in the pannus. It is postulated that a virus may have been the stimulus which converted the pannus into a neoplasm. ABSTRACT AUTHORS: K. C. Wybar

6/3,K/18 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2007 Elsevier B.V. All rts. reserv.

07428753 EMBASE No: 1998337976
Tissue modifications
Black K.S.; Goldstein S.; Ollerenshaw J.
Dr. K.S. Black, CryoLife, Inc, 1655 Roberts Blvd NW, Kennesaw, GA 30144 United States
Transplantation Proceedings (TRANSPLANT. PROC.) (United States) 1998, 30/6 (2729-2731)
CODEN: TRPPA ISSN: 0041-1345
PUBLISHER ITEM IDENTIFIER: S0041134598007982
DOCUMENT TYPE: Journal; Conference Paper
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 28

...number of wide ranging technologies used in experimental models to address the concept of modifying tissue immunogenicity with the goal of improving graft survival. The relationship of these modifications to eventual...

...despite warm culture and cryopreservation, allografted heart valves still are capable of provoking an anti- donor specific immune response in the recipient. Yet there are also no definitive studies that clearly demonstrate in humans that donor -recipient matching improves the durability of these grafts. It seems that some combination of these methodologies for tissue modification used in conjunction with other technological advances will be necessary to yield a new type of graft construct. Our laboratory has been investigating the possibility of repopulating acellular connective tissue matrices will exogenenous cells . In this technique appropriate cells obtained from the intended graft recipient are grown into an acellular donor -derived connective tissue matrix . With appropriate graft conditioning it is hoped that these cells can be induced to perform appropriately and serve to enhance

and extend allograft performance. The combination of an acellular allo- or xenogeneic matrix with self cells should provide an optimal graft with very low immunogenicity.

6/3,K/19 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

04004031 EMBASE No: 1989173027
Molecular basis of fertilization
Garbers D.L.
Howard Hughes Medical Institute, Department of Pharmacology, Vanderbilt University Medical Center, Nashville, TN 37232-0295 United States
Annual Review of Biochemistry (ANNU. REV. BIOCHEM.) (United States)
1989, 58/- (719-742)
CODEN: ARBOA ISSN: 0066-4154
DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

...Here, specific activation of sperm motility, attraction of spermatozoa to the egg, adhesion of sperm cells to the egg, induction of an acrosome reaction, membrane fusion between the gametes, and subsequent...

...of animals, and examples will be discussed in detail later. Eggs are generally enveloped in acellular matrices and/or adherent cells that the spermatozoon must first encounter. In much of the literature, the sites of specific interaction between the spermatozoon and the egg and/or the cellular and acellular components of the egg are not clear for a given species. Therefore, when we speak of molecules associated with the egg, the possible emanance of such molecules from cellular or acellular structures surrounding the egg or from the egg, itself, as well as the deposition of active molecules to the egg-associated structures by cells of the female reproductive tract are all included. It is important to realize that fertilization...

...of relative and absolute specificity cawn be observed with small peptides found in the egg- conditioned media of various animals that interact with cell surface receptors of spermatozoa. In closely related...

...is visible even at the highest peptide concentrations. The biochemical and biological responses of sperm cells to a specific effector molecule are generally similar or identical. Therefore, it is reasonable to...

...and in a receptor molecule (spermatozoa) would occur such that fertilization between the mutant germ cells and spermatozoa or eggs of the general population would be markedly reduced or zero, but...
?

Set	Items	Description
S1	3991	(DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECELLULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2	137086	(PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR CONDITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR CELLS OR DONOR)
S3	76	S1 AND S2
S4	0	S3 AND (VECTOR OR TRANSFECTED)
S5	39	RD S3 (unique items)
S6	19	S5 NOT PY>2003

```
S7          1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?

S (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRIX))
Processing
Processing
Processing
Processing
Processing
Processing
Processing
          300551  STIMULUS
        34934407  IN
         1339881  VIVO
         1294235  IN(W)VIVO
          571377  EXTRACELLULAR
          481080  MATRIX
          145462  EXTRACELLULAR(W)MATRIX
      S8     120  (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W)
                  MATRIX))
?

S S1 AND S4
             3991  S1
                0  S4
      S9        0  S1 AND S4
?


Set     Items   Description
S1       3991   (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECEL-
            LULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2     137086   (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR COND-
            ITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR
            CELLS OR DONOR)
S3         76   S1 AND S2
S4          0   S3 AND (VECTOR OR TRANSFECTED)
S5         39   RD S3  (unique items)
S6         19   S5 NOT PY>2003
S7          1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S8        120   (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRI-
            X))
S9          0   S1 AND S4
?

S S1 AND S8
             3991  S1
              120  S8
     S10        0  S1 AND S8
?


Set     Items   Description
S1       3991   (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECEL-
            LULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2     137086   (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR COND-
            ITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR
            CELLS OR DONOR)
S3         76   S1 AND S2
S4          0   S3 AND (VECTOR OR TRANSFECTED)
```

```
.
S5          39   RD S3  (unique items)
S6          19   S5 NOT PY>2003
S7           1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S8         120   (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRI-
                 X))
S9           0   S1 AND S4
S10          0   S1 AND S8
?

S (BONE (W) MARROW (W) EXTRACELLULAR (W) MATRIX)
          1380858  BONE
           507422  MARROW
           571377  EXTRACELLULAR
           481080  MATRIX
     S11      65  (BONE (W) MARROW (W) EXTRACELLULAR (W) MATRIX)
?

S S1 AND (TISSUE (W) (REPAIR OR ENGINEERING))
             3991  S1
          3264403  TISSUE
           359561  REPAIR
           325834  ENGINEERING
            37197  TISSUE(W)(REPAIR OR ENGINEERING)
     S12     840  S1 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?


Set     Items   Description
S1       3991   (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECEL-
                LULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2     137086   (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR COND-
                ITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR
                CELLS OR DONOR)
S3         76   S1 AND S2
S4          0   S3 AND (VECTOR OR TRANSFECTED)
S5         39   RD S3  (unique items)
S6         19   S5 NOT PY>2003
S7          1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S8        120   (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRI-
                X))
S9          0   S1 AND S4
S10         0   S1 AND S8
S11        65   (BONE (W) MARROW (W) EXTRACELLULAR (W) MATRIX)
S12       840   S1 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?

S S11 AND (TISSUE (W) (REPAIR OR ENGINEERING))
               65  S11
          3264403  TISSUE
           359561  REPAIR
           325834  ENGINEERING
            37197  TISSUE(W)(REPAIR OR ENGINEERING)
     S13        0  S11 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?


Set     Items   Description
S1       3991   (DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECEL-
                LULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2     137086   (PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR COND-
```

```
            ITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR
            CELLS OR DONOR)
S3          76   S1 AND S2
S4           0   S3 AND (VECTOR OR TRANSFECTED)
S5          39   RD S3  (unique items)
S6          19   S5 NOT PY>2003
S7           1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S8         120   (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRI-
              X))
S9           0   S1 AND S4
S10          0   S1 AND S8
S11         65   (BONE (W) MARROW (W) EXTRACELLULAR (W) MATRIX)
S12        840   S1 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S13          0   S11 AND (TISSUE (W) (REPAIR OR ENGINEERING))
?

RD S11
     S14       36  RD S11  (unique items)
?

S S14 NOT PY>2003
               36  S14
          6743292  PY>2003
     S15       30  S14 NOT PY>2003
?

S S15 AND (CONTROL AND EXPERIMENTAL)
               30  S15
          5114473  CONTROL
          4731494  EXPERIMENTAL
     S16        1  S15 AND (CONTROL AND EXPERIMENTAL)
?

T S16/3,K/ALL

  16/3,K/1      (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

12809659   PMID: 10920430
 Alterations in proteins of bone marrow extracellular matrix in
 undernourished mice.
  Vituri C L; Alvarez-Silva M; Trentin A G; Borelli P
  Departmento de Analises Clinicas, Centro de Ciencias da Saude,
Universidade Federal de Santa Catarina, Florianopolis, SC, Brasil.
  Brazilian journal of medical and biological research = Revista brasileira
de pesquisas medicas e biologicas / Sociedade Brasileira de Biofisica ...
et al. (BRAZIL)  Aug 2000,  33  (8)  p889-95,  ISSN 0100-879X--Print
Journal Code: 8112917
  Publishing Model Print
  Document type: Journal Article; Research Support, Non-U.S. Gov't
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: MEDLINE; Completed

  Alterations in proteins of bone marrow extracellular matrix in
 undernourished mice.
  ... present study was to determine the effect of protein malnutrition on
the glycoprotein content of bone marrow extracellular matrix (ECM).
Two-month-old male Swiss mice were submitted to protein malnutrition with a
```

low-protein diet containing 4% casein as compared to 20% casein in the control diet. When the experimental group had attained a 20% loss of their original body weight, we extracted the ECM...

... samples by SDS-PAGE (7.5%) and ECL Western blotting. Quantitative differences were observed between control and experimental groups. Bone marrow ECM from undernourished mice had greater amounts of extractable fibronectin (1.6-fold increase) and laminin (4.8-fold increase) when compared to the control group. These results suggest an association between fluctuations in the composition of the hematopoietic microenvironment...
; Animals; Blotting, Western; Case- Control Studies; Electrophoresis, Polyacrylamide Gel; Fibronectins--analysis--AN; Hematopoiesis, Extramedullary; Laminin--analysis--AN; Mice
?

Set	Items	Description
S1	3991	(DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECELLULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2	137086	(PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR CONDITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR CELLS OR DONOR)
S3	76	S1 AND S2
S4	0	S3 AND (VECTOR OR TRANSFECTED)
S5	39	RD S3 (unique items)
S6	19	S5 NOT PY>2003
S7	1	S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S8	120	(STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRIX))
S9	0	S1 AND S4
S10	0	S1 AND S8
S11	65	(BONE (W) MARROW (W) EXTRACELLULAR (W) MATRIX)
S12	840	S1 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S13	0	S11 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S14	36	RD S11 (unique items)
S15	30	S14 NOT PY>2003
S16	1	S15 AND (CONTROL AND EXPERIMENTAL)

?

T S15/3,K/ALL

15/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

14267864 PMID: 12694247
Hyaluronan, a major non-protein glycosaminoglycan component of the extracellular matrix in human bone marrow, mediates dexamethasone resistance in multiple myeloma.
Vincent Thierry; Molina Laurence; Espert Lucile; Mechti Nadir
INSERM Unite U475 and UMR-CNRS5094, Montpellier, and Laboratoire d'Hematologie, Hopital St-Eloi, Montpellier, France.
British journal of haematology (England) Apr 2003, 121 (2) p259-69, ISSN 0007-1048--Print Journal Code: 0372544
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... activity of different cytokines or growth factors. As HA is a major component of the bone marrow extracellular matrix , these findings support the idea that HA could play a major role in the survival...

15/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13788515 PMID: 12056556
Structural similarity between the bone marrow extracellular matrix protein and neurokinin 1 could be the limiting factor in the hematopoietic effects of substance P.
Rameshwar Pranela; Gascon Pedro; Bandari Persis S; Joshi Deval D; Fernandes Annemarie; Dang Anju
Department of Medicine, UMDNJ-New Jersey Medical School, Newark 07103, USA. rameshwa@umdnj.edu
Canadian journal of physiology and pharmacology (Canada) May 2002, 80 (5) p475-81, ISSN 0008-4212--Print Journal Code: 0372712
Contract/Grant No.: CA89868; CA; NCI; HL-54973; HL; NHLBI; HL-57675; HL; NHLBI
Publishing Model Print
Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Structural similarity between the bone marrow extracellular matrix protein and neurokinin 1 could be the limiting factor in the hematopoietic effects of substance...

15/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12809659 PMID: 10920430
Alterations in proteins of bone marrow extracellular matrix in undernourished mice.
Vituri C L; Alvarez-Silva M; Trentin A G; Borelli P
Departmento de Analises Clinicas, Centro de Ciencias da Saude, Universidade Federal de Santa Catarina, Florianopolis, SC, Brasil.
Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas / Sociedade Brasileira de Biofisica ... et al. (BRAZIL) Aug 2000, 33 (8) p889-95, ISSN 0100-879X--Print Journal Code: 8112917
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Alterations in proteins of bone marrow extracellular matrix in undernourished mice.
... present study was to determine the effect of protein malnutrition on the glycoprotein content of bone marrow extracellular matrix (ECM). Two-month-old male Swiss mice were submitted to protein malnutrition with a low...

15/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11265222 PMID: 9058710
CD44-mediated adhesiveness of human hematopoietic progenitors to hyaluronan is modulated by cytokines.
Legras S; Levesque J P; Charrad R; Morimoto K; Le Bousse C; Clay D; Jasmin C; Smadja-Joffe F
Institut National de la Sante et de la Recherche Medicale U268, Hopital Paul Brousse, Villejuif, France.
Blood (UNITED STATES) Mar 15 1997, 89 (6) p1905-14, ISSN 0006-4971 --Print Journal Code: 7603509
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...mediate adhesion of human CD34+ HPC to immobilized hyaluronan (HA), an abundant glycosaminoglycan of the bone marrow extracellular matrix . Our data show that, although CD34+ cells strongly express CD44, only 13.3% +/- 1.1...

15/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10613728 PMID: 7556532
Marrow-derived heparan sulfate proteoglycan mediates the adhesion of hematopoietic progenitor cells to cytokines.
Bruno E; Luikart S D; Long M W; Hoffman R
SyStemix, Palo Alto, CA, USA.
Experimental hematology (UNITED STATES) Oct 1995, 23 (11) p1212-7, ISSN 0301-472X--Print Journal Code: 0402313
Contract/Grant No.: CA45279-04; CA; NCI; CA49419; CA; NCI; HL42674-04; HL ; NHLBI
Publishing Model Print
Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Heparan sulfate proteoglycan (HS-PG), an important component of the human bone marrow extracellular matrix (ECM), is believed to influence hematopoietic progenitor cell development by binding and localizing growth factors...

15/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10442947 PMID: 7537448
Ovine bone marrow extracellular matrix and soluble protein extraction: fetuin amino terminus microheterogeneity.
Peters C; Budde C L; Breon T A; Kuper A; Kim J
Department of Pediatrics, University of Iowa College of Medicine, Iowa

City 52242-1083, USA.
American journal of the medical sciences (UNITED STATES) May 1995, 309 (5) p285-94, ISSN 0002-9629--Print Journal Code: 0370506
Contract/Grant No.: P30 HD-27748; HD; NICHD
Publishing Model Print
Document type: Comparative Study; Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Ovine bone marrow extracellular matrix and soluble protein extraction: fetuin amino terminus microheterogeneity.

15/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

10214348 PMID: 7957660
Effects of glycosaminoglycans on U-937 leukemia cell proliferation and differentiation: structure-function relationship.
Volpi N; Petrini M; Conte A; Valentini P; Venturelli T; Bolognani L; Ronca G
Department of Biologia Animale, University of Modena, Italy.
Experimental cell research (UNITED STATES) Nov 1994, 215 (1) p119-30, ISSN 0014-4827--Print Journal Code: 0373226
Publishing Model Print
Document type: Comparative Study; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... in order to clarify the control of development and differentiation of hematopoietic progenitor cells by bone marrow extracellular matrix . Heparin from beef intestinal mucosa, heparan sulfate from beef spleen, dermatan sulfate from beef intestinal...

15/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

10086584 PMID: 8014614
Effects of extracellular matrix proteins on macrophage differentiation, growth, and function: comparison of liquid and agar culture systems.
Armstrong J W; Chapes S K Spooner B S KS St U, Manhattan
Division of Biology, NASA Specialized Center of Research and Training, Kansas State University, Manhattan 66506.
Journal of experimental zoology (UNITED STATES) Jul 1 1994, 269 (3) p178-87, ISSN 0022-104X--Print Journal Code: 0375365
Publishing Model Print
Document type: Journal Article; Research Support, U.S. Gov't, Non-P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... The mechanism behind this reduction in haematopoiesis has yet to be elucidated. However, changes in bone marrow extracellular matrix (ECM) may be involved. To further understand the role of ECM products in

macrophage differentiation...

15/3,K/9 (Item 9 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10027340 PMID: 8163649
Bone marrow extracellular matrix molecules improve gene transfer into human hematopoietic cells via retroviral vectors.
Moritz T; Patel V P; Williams D A
Herman B Wells Center for Pediatric Research, James Whitcomb Riley Hospital for Children, Indianapolis, Indiana 46202-5225.
Journal of clinical investigation (UNITED STATES) Apr 1994, 93 (4) p1451-7, ISSN 0021-9738--Print Journal Code: 7802877
Contract/Grant No.: P01 HL-45168; HL; NHLBI; R01 HL-46528; HL; NHLBI
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Bone marrow extracellular matrix molecules improve gene transfer into human hematopoietic cells via retroviral vectors.
... target cells compared with infection with viral supernatant. We have investigated the role of defined bone marrow extracellular matrix molecules (ECM) in this phenomenon. Here we report that infection of cells adhering to the...

15/3,K/10 (Item 10 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09648846 PMID: 7682944
Haemonectin, a granulocytic-cell-binding protein, is related to the plasma glycoprotein fetuin.
White H; Totty N; Panayotou G
Department of Oncology, University College and Middlesex School of Medicine, London, England.
European journal of biochemistry / FEBS (GERMANY) Apr 1 1993, 213 (1) p523-8, ISSN 0014-2956--Print Journal Code: 0107600
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Haemonectin, a protein present in rabbit bone marrow extracellular matrix extracts, has been reported to bind granulocytes in a developmentally regulated manner. We have purified...

15/3,K/11 (Item 11 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09354120 PMID: 1504379
Bone marrow matrix promotes differentiation and prolongs the cell cycle

of U-937 cells.
Hamdan H F; Luikart S D
Department of Medicine, University of Minnesota Medical School, Minneapolis.
Oncology research (UNITED STATES) 1992, 4 (4-5) p201-7, ISSN 0965-0407--Print Journal Code: 9208097
Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... growth and differentiation of a variety of cell types. In this study, the effects of bone marrow extracellular matrix on U-937 cells, a human histiocytic lymphoma cell line, were assessed. Sixty percent of...

... matrix (2980 cpm/10(6) cells vs 230 cpm/10(6) cells on plastic). Furthermore, bone marrow extracellular matrix inhibited proliferation of U-937 cells. After four days in culture, there was a 65... ... 5 hr prolongation in cycle length in cells grown on extracellular matrix. We conclude that bone marrow extracellular matrix induced macrophage-like differentiation and inhibited proliferation of U-937 cells with a prolongation of...

15/3,K/12 (Item 12 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

09184948 PMID: 1845236
Immunohistochemical and ultrastructural study of human bone marrow extracellular matrix.
Lucena S B; Cotta-Pereira G
UERJ/UFRJ, Departamento de Histologia, Brasil.
Memorias do Instituto Oswaldo Cruz (BRAZIL) 1991, 86 Suppl 3 p115, ISSN 0074-0276--Print Journal Code: 7502619
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Immunohistochemical and ultrastructural study of human bone marrow extracellular matrix .

15/3,K/13 (Item 13 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.

09140358 PMID: 1809376
Bone marrow extracellular matrix induces HL-60 cells to produce an autonomous differentiation factor.
Mane S; Winkelmann J C; Luikart S D
Department of Medicine, University of Minnesota Medical School, Minneapolis 55455.
Cell growth & differentiation - the molecular biology journal of the American Association for Cancer Research (UNITED STATES) Dec 1991, 2 (12) p637-43, ISSN 1044-9523--Print Journal Code: 9100024
Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Bone marrow extracellular matrix induces HL-60 cells to produce an autonomous differentiation factor.

15/3,K/14 (Item 14 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08385770 PMID: 2403825
Fetal expression of hemonectin: an extracellular matrix hematopoietic cytoadhesion molecule.
Peters C; O'Shea K S; Campbell A D; Wicha M S; Long M W
Department of Pediatrics, University of Michigan Medical School, Ann Arbor.
Blood (UNITED STATES) Jan 15 1990, 75 (2) p357-64, ISSN 0006-4971--Print Journal Code: 7603509
Contract/Grant No.: HL 07622; HL; NHLBI; HL 35255; HL; NHLBI
Publishing Model Print
Document type: Journal Article; Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Hemonectin, a component of bone marrow extracellular matrix , is a lineage- and organ-specific attachment molecule for cells of the granulocytic lineage. We...

15/3,K/15 (Item 15 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08020774 PMID: 2783573
Reproducible establishment of hemopoietic supportive stromal cell lines from murine bone marrow.
Itoh K; Tezuka H; Sakoda H; Konno M; Nagata K; Uchiyama T; Uchino H; Mori K J
Department of Biology, Faculty of Science, Niigata University, Japan.
Experimental hematology (UNITED STATES) Feb 1989, 17 (2) p145-53, ISSN 0301-472X--Print Journal Code: 0402313
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Descriptors: *Bone Marrow ; * Extracellular Matrix --physiology--PH; *Hematopoiesis; *Hematopoietic Stem Cells--physiology--PH

15/3,K/16 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

17781780 BIOSIS NO.: 200400148441

Hyaluronan, an essential component of the hematopoietic niche, facilitates recovery of ablated hematopoiesis by regulation of cytokine production.
AUTHOR: Khaldoyanidi Sophia K (Reprint); Matrosova Vera Y; Orlovskaya Irina A; Serobyan Naira (Reprint); McClelland Michael
AUTHOR ADDRESS: Department of Vascular Biology, La Jolla Institute for Molecular Medicine, San Diego, CA, USA**USA
JOURNAL: Blood 102 (11): p839a November 16, 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 45th Annual Meeting of the American Society of Hematology San Diego, CA, USA December 06-09, 2003; 20031206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: HA), a member of glycosaminoglycan family is present in bone marrow, where it participates in bone marrow extracellular matrix (ECM) assembly. We have recently demonstrated that HA is not a passive structural element of...

15/3,K/17 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

17781242 BIOSIS NO.: 200400147903
Impact of VLA-5 expression on the reconstitution properties of hematopoietic stem cells mobilized by cyclophosphamide/G-CSF.
AUTHOR: Wierenga Pieter K (Reprint); de Haan Gerald (Reprint); Weersing Ellen (Reprint); van Os Ronald (Reprint)
AUTHOR ADDRESS: Department of Stem Cell Biology, University of Groningen, Groningen, Netherlands**Netherlands
JOURNAL: Blood 102 (11): p697a November 16, 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 45th Annual Meeting of the American Society of Hematology San Diego, CA, USA December 06-09, 2003; 20031206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: Since VLA-5 has been implicated in the adhesive interactions of stem cells with the bone marrow extracellular matrix and stromal cells, we unexpectedly found an inverse relationship between hematopoietic reconstitution and the percentage...

15/3,K/18 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

17745833 BIOSIS NO.: 200400116590
Transplantation of Liv-8 negative fraction of bone marrow cells reverses CCl4-induced liver fibrosis.
AUTHOR: Sakaida Isao (Reprint); Aoyama Koji (Reprint); Yamamoto Naoki (Reprint); Ishikawa Tsuyoshi (Reprint); Omori Kaoru (Reprint); Terai Shuji (Reprint); Nishina Hiroshi; Okita Kiwamu (Reprint)
AUTHOR ADDRESS: Yamaguchi University, Ube, Yamaguchi, Japan**Japan

JOURNAL: Hepatology 38 (4 Suppl. 1): p223A October 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 54th Annual Meeting of the American Association for the Study of Liver Diseases Boston, MA, USA October 24-28, 2003; 20031024
SPONSOR: American Association for the Study of Liver Diseases
ISSN: 0270-9139 _(ISSN print)
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

DESCRIPTORS:
...ORGANISMS: PARTS ETC: bone marrow extracellular matrix --

15/3,K/19 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

17208125 BIOSIS NO.: 200300166844
Adhesion to bone marrow extracellular matrix proteins modulates osteogenic differentiation of human mesenchymal stem cells.
AUTHOR: Salasznyk R M (Reprint); Batorsky A (Reprint); Plopper G E (Reprint)
AUTHOR ADDRESS: Department of Biology, Rensselaer Polytechnic Institute, Troy, NY, USA**USA
JOURNAL: Molecular Biology of the Cell 13 (Supplement): p346a Nov. 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society for Cell Biology San Francisco, CA, USA December 14-18, 2002; 20021214
SPONSOR: American Society for Cell Biology
ISSN: 1059-1524
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

Adhesion to bone marrow extracellular matrix proteins modulates osteogenic differentiation of human mesenchymal stem cells.
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: bone marrow extracellular matrix proteins...

15/3,K/20 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

15168189 BIOSIS NO.: 199900427849
Comparison of bone marrow extracellular matrices
AUTHOR: Lee Myeongwoo (Reprint); Christopherson Indu P; Lehman Jeffrey M; Bennett Cory J; Cheung H Tak
AUTHOR ADDRESS: Department of Molecular of Molecular Biology, Princeton University, Princeton, NJ, 08544, USA**USA
JOURNAL: Biochimica et Biophysica Acta 1428 (2-3): p300-304 Aug. 5, 1999 1999
MEDIUM: print
ISSN: 0006-3002
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

DESCRIPTORS:
ORGANISMS: PARTS ETC: adult bovine bone marrow extracellular matrix --...

...fetal bovine bone marrow extracellular matrix --

15/3,K/21 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

14673034 BIOSIS NO.: 199800467281
Murine bone marrow extracellular matrix study by confocal laser scanning microscopy
AUTHOR: Pelajo-Machado M; Mota E M; Vale L S; Lenzi J A; Lenzi H L
AUTHOR ADDRESS: Dep. Pathol., Inst. Oswaldo Cruz, Fundacao Oswaldo Cruz, Rio de Janeiro, RJ, Brazil**Brazil
JOURNAL: Experimental Hematology (Charlottesville) 26 (8): p704 Aug., 1998 1998
MEDIUM: print
CONFERENCE/MEETING: 27th Annual Meeting of the International Society for Experimental Hematology Vancouver, British Columbia, Canada August 1-5, 1998; 19980801
SPONSOR: International Society for Experimental Hematology
ISSN: 0301-472X
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

Murine bone marrow extracellular matrix study by confocal laser scanning microscopy
DESCRIPTORS:
ORGANISMS: PARTS ETC: bone marrow extracellular matrix

15/3,K/22 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

14099694 BIOSIS NO.: 199799733754
Plastic embedded undecalcified bone biopsies: An immunohistochemical method for routine study of bone marrow extracellular matrix
AUTHOR: Lucena S B (Reprint); Duarte M E L; Fonseca E C
AUTHOR ADDRESS: Hosp. Universitario Antonio Pedro, Dep. Patologia, Rua Marqes de Parana 303, Niteroi, RJ 24030, Brazil**Brazil
JOURNAL: Journal of Histotechnology 20 (3): p253-257 1997 1997
ISSN: 0147-8885
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Plastic embedded undecalcified bone biopsies: An immunohistochemical method for routine study of bone marrow extracellular matrix
DESCRIPTORS:
MISCELLANEOUS TERMS: ... BONE MARROW EXTRACELLULAR MATRIX ;

15/3,K/23 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

10430899 BIOSIS NO.: 199140073790
ADHESIVE PROPERTIES OF HUMAN ERYTHROBLASTIC PRECURSOR CELLS
AUTHOR: COULOMBEL L (Reprint); VUILLET-GAUGLER M H; LEROY C; ROSEMBLATT M; BRETON-GORIUS J
AUTHOR ADDRESS: INSTITUTE DE PATHOLOGIE CELLULAIRE, HOPITAL DE BICETRE, 94270 KREMLIN-BICETRE, FRANCE**FRANCE
JOURNAL: Blood Cells (New York) 17 (1): p65-82 1991
CONFERENCE/MEETING: SYMPOSIUM ON ERYTHROBLASTIC ISLANDS, PARIS, FRANCE, NOVEMBER 1989. BLOOD CELLS (N Y).
ISSN: 0340-4684
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

DESCRIPTORS: HUMAN HEMATOPOIETIC DIFFERENTIATION BONE MARROW EXTRACELLULAR MATRIX FIBRONECTIN

15/3,K/24 (Item 9 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

09334175 BIOSIS NO.: 198936043066
A HEPARIN-HEPARAN SULFATE PROTEOGLYCAN-ASSOCIATED FRACTION OF BONE MARROW EXTRACELLULAR MATRIX CAN INDUCE MATURATION OF HL-60 MYELOID LEUKEMIA CELLS
AUTHOR: LUIKART S D (Reprint); FURCHT L T; MCCARTHY J B; OEGEMA T R JR
AUTHOR ADDRESS: DEP MED, UNIV MINNESOTA, MINNEAPOLIS, MINN, USA**USA
JOURNAL: Clinical Research 36 (6): p853A 1988
CONFERENCE/MEETING: ABSTRACTS SUBMITTED TO THE ANNUAL MEETING OF THE MIDWEST SECTION, AMERICAN FEDERATION FOR CLINICAL RESEARCH, CHICAGO, ILLINOIS, USA, NOVEMBER 9-11, 1988. CLIN RES.
ISSN: 0009-9279
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

A HEPARIN-HEPARAN SULFATE PROTEOGLYCAN-ASSOCIATED FRACTION OF BONE MARROW EXTRACELLULAR MATRIX CAN INDUCE MATURATION OF HL-60 MYELOID LEUKEMIA CELLS

15/3,K/25 (Item 10 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

09242312 BIOSIS NO.: 198886082233
BCNU-INDUCED INCREASE IN SULFATED GLYCOSAMINOGLYCAN PRODUCTION BY HUMAN BONE MARROW STROMAL CELLS
AUTHOR: OGLE K M (Reprint); LUIKART S D
AUTHOR ADDRESS: BOX 325, UNIV MINN HOSP, MINNEAPOLIS, MINN 55455, USA**USA
JOURNAL: Experimental Hematology (Charlottesville) 16 (7): p636-640 1988
ISSN: 0301-472X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

DESCRIPTORS: 1 3 BIS-2-CHLOROETHYL-1-NITROSOUREA HEMATOPOIESIS BONE

MARROW EXTRACELLULAR MATRIX MYELOTOXICITY LEUKEMIA

15/3,K/26 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

11266126 EMBASE No: 2001262749
Runt-related gene 2 in endothelial cells: Inducible expression and specific regulation of cell migration and invasion
Sun L.; Vitolo M.; Passaniti A.
A. Passaniti, University of Maryland, Greenebaum Cancer Center, BRB Room 7-021, 655 West Baltimore Street, Baltimore, MD 21201 United States
AUTHOR EMAIL: apass001@umaryland.edu
Cancer Research (CANCER RES.) (United States) 01 JUL 2001, 61/13 (4994-5001)
CODEN: CNREA ISSN: 0008-5472
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 55

MEDICAL DESCRIPTORS:
gene expression; angiogenesis; tumor growth; metastasis; cell migration; cell invasion; osteoblast; lymphoma; bone marrow ; extracellular matrix ; protein expression; human; human cell; article; nucleotide sequence; priority journal

15/3,K/27 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

04858608 EMBASE No: 1991353344
Immunochemical localization of extracellular materials in bone marrow of rats
Hamilton R.; Campbell F.R.
Dept Anatomical Sci/Neurobiol, Health Sciences Center, University of Louisville,Louisville, KY 40292 United States
Anatomical Record (ANAT. REC.) (United States) 1991, 231/2 (218-224)
CODEN: ANREA ISSN: 0003-276X
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

MEDICAL DESCRIPTORS:
* bone marrow ; * extracellular matrix

15/3,K/28 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE

04043111 EMBASE No: 1989212153
Bone marrow microenvironment
Minguell J.J.; Fernandez M.; Tetas M.; Martinez J.; Bruzzone M.; Rodriguez J.P.
Unidad de Biologia Celular, INTA y Departamento de Ciencias Basicas, Facultad de Medicine, Sede Oriente, Universidad de Chile, Santiago 11 Chile
Archivos de Biologia y Medicina Experimentales (ARCH. BIOL. MED. EXP.) (Chile) 1988, 21/1 (177-182)

CODEN: ABMXA ISSN: 0004-0533
DOCUMENT TYPE: Journal
LANGUAGE: SPANISH SUMMARY LANGUAGE: ENGLISH

MEDICAL DESCRIPTORS:
*acute lymphocytic leukemia; * bone marrow ; * extracellular matrix ; * fibroblast

15/3,K/29 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE

03770076 EMBASE No: 1988219512
Extracellular matrix of the marrow microenvironment
Gordon M.Y.
Leukaemia Research Fund Centre, Institute of Cancer Research, London, SW3 United Kingdom
British Journal of Haematology (BR. J. HAEMATOL.) (United Kingdom) 1988, 70/1 (1-4)
CODEN: BJHEA ISSN: 0007-1048
DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

MEDICAL DESCRIPTORS:
* bone marrow ; * extracellular matrix ; *hematopoiesis; *leukemia --etiology--et

15/3,K/30 (Item 5 from file: 73)
DIALOG(R)File 73:EMBASE

03466556 EMBASE No: 1987219137
Haemonectin, a bone marrow adhesion protein specific for cells of granulocyte lineage
Campbell A.D.; Long M.W.; Wicha M.S.
Division of Hematology and Oncology, Department of Internal Medicine, University of Michigan, Simpson Research Institute, Ann Arbor, MI 48109 United States
Nature (NATURE) (United Kingdom) 1987, 329/6141 (744-746)
CODEN: NATUA ISSN: 0028-0836
DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

MEDICAL DESCRIPTORS:
* bone marrow ; * extracellular matrix ; *granulocyte; *hematopoietic cell
?

Set	Items	Description
S1	3991	(DECELLULARIZED OR ACELLULAR OR DECELLULARISATION OR DECELLULARIZATION) (S) (TISSUE OR MATRIX OR MATRICES)
S2	137086	(PRECONDITIONING OR CONDITIONING OR PRECONDITIONED OR CONDITIONED OR STIMULUS) (S) ((IN (W) VIVO) OR TISSUE OR ORGAN OR CELLS OR DONOR)
S3	76	S1 AND S2
S4	0	S3 AND (VECTOR OR TRANSFECTED)
S5	39	RD S3 (unique items)

```
S6          19   S5 NOT PY>2003
S7           1   S6 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S8         120   (STIMULUS) (S) ((IN (W) VIVO) AND (EXTRACELLULAR (W) MATRI-
                 X))
S9           0   S1 AND S4
S10          0   S1 AND S8
S11         65   (BONE (W) MARROW (W) EXTRACELLULAR (W) MATRIX)
S12        840   S1 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S13          0   S11 AND (TISSUE (W) (REPAIR OR ENGINEERING))
S14         36   RD S11  (unique items)
S15         30   S14 NOT PY>2003
S16          1   S15 AND (CONTROL AND EXPERIMENTAL)
?

COST
       02nov07 15:17:49 User259876 Session D1048.2
           $25.12    7.388 DialUnits File155
               $6.60  30 Type(s) in Format  3
            $6.60  30 Types
    $31.72  Estimated cost File155
           $49.13    8.188 DialUnits File5
              $32.20  14 Type(s) in Format  3
           $32.20  14 Types
    $81.33  Estimated cost File5
           $72.89    6.125 DialUnits File73
              $23.10  7 Type(s) in Format  3
           $23.10  7 Types
    $95.99  Estimated cost File73
           OneSearch, 3 files, 21.701 DialUnits FileOS
     $6.66  INTERNET
   $215.70  Estimated cost this search
   $216.73  Estimated total session cost  21.980 DialUnits
?
```

Return to logon page!